EXHIBIT 47 REDACTED

Reserve Price Optimization and First Price



Agenda

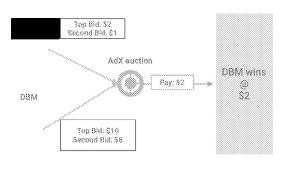
- What is RPO and why do we do it?
- How RPO works in a second price world
- Challenges of doing RPO in a first price world

Case 4:20-cv-00957-SDJ Document 740-7 Filed 12/30/24 Page 4 of 6 PageID #: 47595

Google:							
What is Reserve Price Optimization (RPO)?							
AdX (historically) runs a second price							
auction ● Highest bidder wins	***************************************	winning bid					
 pays second highest bid 	300000000000000000000000000000000000000	dynamic reserve price					
Sometimes, winning bid >> price							
Idaa, aat minimum priaa just halaw what	***************************************	winning price					
Idea: set minimum price just below what the highest bidder is willing to pay	xxxxxxxxxxxx	0					
	Google Confidential and Proprietary						

Why do RPO?

- The goal is simple: make money.
- But this just transfers value from the buyer to the seller? Why do it?
 - We're not really running a full second price auction. DSPs do not submit their second price. On average, There about bids per AdX auction.



Google						
Reserve Price Optimization: Guessing the Top Bid						
***************************************	winning bid	xxxxxxxxxxxx	winning bid		reserve price highest bid	
		***************************************	reserve price			
	winning price		second bid		second bid	
300000000000000000000000000000000000000	reserve price 0		0		0	
NO-OP		Revenue (Gain	Revenue L	oss	
				Google Conf	idential and Proprietary	